

ABSTRACT

A Fresnel lens sheet comprising a Fresnel lens substrate and a Fresnel lens, whose surface of the light source side has an average pitch of $200\text{ }\mu\text{ m}$ or smaller and ten point roughness of 3 to $15\text{ }\mu\text{ m}$, a rear projection screen obtained by assembling the Fresnel lens sheet and a lenticular lens sheet, and a process for producing these. With the use of the Fresnel lens sheet and the rear projection screen in accordance with the present invention, a labyrinth light inside the screen and a surface reflection are diffused effectively and a ghost caused by them is remarkably reduced. Accordingly, the rear projection television employing the Fresnel lens sheet and the rear projection screen of the present invention provides excellent images without ghost light.